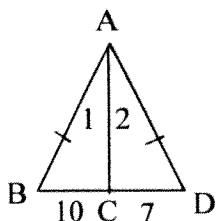


Worksheet 5.6 Hinge Theorem Chapter 5

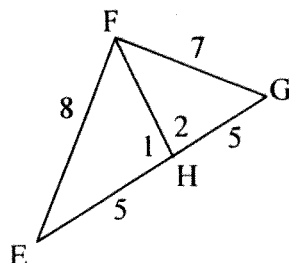
Name _____

Refer to each figure given write an inequality relating the given pair of angle or segment measures.

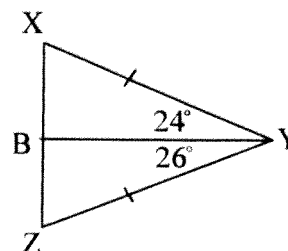
1) $m\angle 1, m\angle 2$



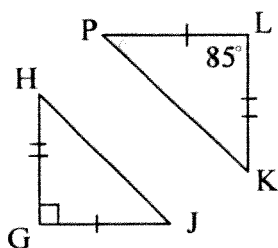
2) $m\angle 1, m\angle 2$



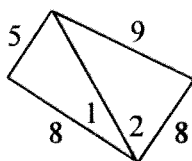
3) $\overline{XB}, \overline{ZB}$



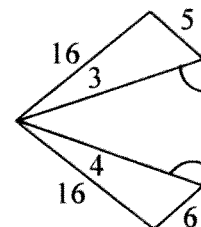
4) $\overline{HJ}, \overline{KP}$



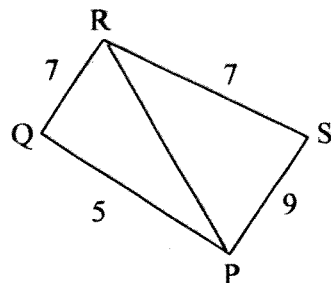
5) $m\angle 1, m\angle 2$



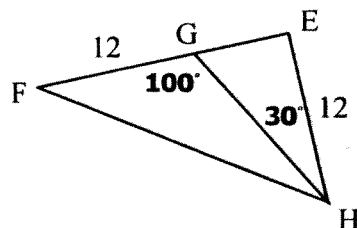
6) $m\angle 3, m\angle 4$



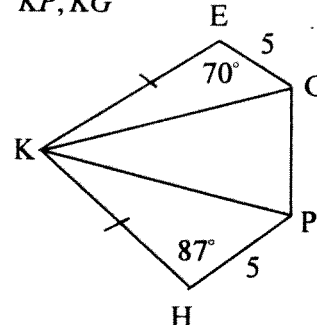
7) $m\angle PRQ, m\angle PRS$



8) $\overline{FH}, \overline{GE}$

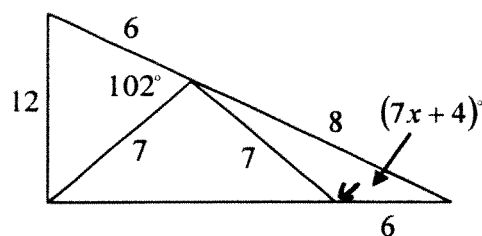


9) $\overline{KP}, \overline{KG}$

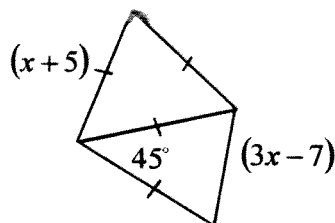


Write an inequality or pair of inequalities to describe the possible values of x . Then solve the inequality to find the values of x .

10)



11)



12)

